

ZAYKO, V.P. (Chelyabinsk); SHILINA, I.V. (Chelyabinsk)

Making low-phosphorus ferrochromium. Izv. AN SSSR. Met. no.1;21-2L  
Jan '65.

(MIRA 12e5)

PLOTNIKOVA, K.N.; Prinimali uchastiye: GORNAYA, K.A.; SHILINA, L.S.;  
KUZNETSOVA, V.K.; BOGDANOVA, E.I.; BASHILOV, S.F.; TRABER, I.G.;  
KAREVA, M.V.; KUZ'MINA, A.I.

Experience in the production of lavsan-cotton blend yarn in  
the "Trehgornaya Manufactura" and Kalinin Cotton Mills.  
Nauch.-iss. trudy TSNIKHBI za 1962 g.:166-175 '64.

(MIRA 18:8)

1. TSentral'noy nauchno-issledovatel'skiy institut khlopchatobumazhnosti, Moskva (for Gornaya, Shilina).
2. Kalininskiy nauchno-issledovatel'skiy institut tekstil'noy promshlennosti (for Kuznetsova, Boganova). 3. Kalininskiy khlopchatobumazhnyy kombinat (for Bashilov), Traber). 4. Kombinat "Trehgornaya manufaktura" (for Kareva, Kuzmina).

MININ, R.T.; KHILDA, N.Ye.

Pressure in the brachial and temporal arteries in some mental diseases and in healthy people in the western Pamirs. Trudy Tadzh. med. inst. 62:40-42 '63.

Vegetative disorders in some mental diseases and in healthy people in the western Pamirs. Ibid.:122-123

(MERA 17:12)

I. Tadzhikskiy meditsinskiy institut imeni Abuali ibni Sino,  
Dushanbe.

BELYANCHIKOV, V.N., inzh.; NOVIKOV, I.V., inzh.; ZAYTSEV, L.Ye., inzh.; AKIL'YEV, S.A., inzh.; BELKIN, V.A., inzh.; POCHKINA, L.A., inzh.; VASIL'YEV, O.A., inzh.; Prinimali uchastiye: KOPEYKINA, O.P.; SMIRNOVA, A.N.; BELKINA, S.S.; SHILINA, Ye.I.; LAGUNOV, Ye.N.; REZNIK, S.Z.; BRISMAN, B.I.; KUZ'MINYKH, A. A. ~~red. izd.-ya~~; SHIBKOVA, R. Ye., ~~red. izd.-ya~~; ~~tskhn. red.~~

[Operational life of parts of excavating, construction, and road machinery; a reference catalog] Sroki sluzhby detalei ekskavatorov, stroitel'nykh i dorozhnykh mashin. katalog spravochnik. Izd.2., perer. i dop. Moskva, Goslesbumizdat. Pt.2. [Road, construction machinery, and machinery for manufacturing building materials] Dorozhnye, stroitel'nye mashiny i mashiny dlia proizvodstva stroitel'nykh materialov. 1963. 306 p. (MIRA 17:4)

1. "Stroitiyazhmarshzapchast", Tekhnicheskaya kontora. Konstruktorskoye byuro.

KOGAN, David Abramovich; SHILINIS, Yu.A., red.

[Homeopathy and modern medicine] Gomeopatiia i sovremen-  
naia meditsina. Moskva, Meditsina, 1964. 216 p.  
(MIRA 18:9)

ACC NR: AR6033269

SOURCE CODE: UR/0020/66/170/004/0822/0824

AUTHOR: Davzhanov, Kh.; Shakhtakhtinskiy, M. G.; Tagirov, V. I.; Aliyeva, B. S.; Shilkin, A. I.; Kuliyev, A. A.

ORG: Institute of Physics, Academy of Sciences, AzerbSSR)

TITLE: High temperature inversion of the Hall coefficient in tellurium

SOURCE: AN SSSR. Doklady, v. 170, no. 4, 1966, 822-824

TOPIC TAGS: tellurium, Hall coefficient, temperature dependence, energy band structure, impurity conductivity

ABSTRACT: To obtain more information on the band structure and on the mechanism of impurity conductivity of tellurium, the authors measured the electric conductivity and the Hall coefficient of tellurium doped with thallium. In view of the low solubility of thallium in tellurium, the impurity concentration was determined by a radioactive tracer method. The apparatus and technique used to grow the tellurium single crystals were described elsewhere (Pribory i tekhn. experimenta no. 5, 172, 1961). The measurements were made by a standard method in the temperature interval 77 - 530K, both in the direction of the principal axis of the crystal and perpendicular to it. The results show that the Hall coefficient is independent of the direction of the crystallographic axes, but the electric conductivity is. In spite of the similarity between selenium and tellurium in structure, thallium has a different effect on the electric properties of tellurium than of selenium. The admixture of thallium greatly

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UDC: 539.293: 537

ACC NR: AP6033269

increases the electric conductivity of the tellurium, which remains of the p-type regardless of the thallium content. With increasing thallium content, the low temperature inversion point of the Hall coefficient shifts toward higher temperatures. The high temperature inversion point is shifted toward lower temperatures with increasing thallium concentration. A table of inversion temperatures as functions of the concentration is included. Although the number of holes per thallium atom is on the average 0.5, this still does not mean that the thallium atoms are direct acceptors in the tellurium lattice. The change in the second inversion point of the Hall coefficient of tellurium can be attributed either to the deformation of the energy band during the alloying of tellurium by thallium, or to the change of the density of states in the energy band. This report was presented by Academician N. P. Sazhin.

10 January 1966. Orig. art. has: 2 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 04Jan66/ ORIG REF: 005/ OTH REF: 005

Card 2/2

ZEL'VYANSKIY, Yakov Aronovich; KUSTOV, Valeriy Mikhaylovich;  
SHILKIN, Petr Mikhaylovich; KUCHKO, E.A., red.

[Safety techniques in contact network operation] Tekhnika  
bezopasnosti pri ekspluatatsii kontaktnoi seti.  
Moskva, Transport, 1965. 191 p. (MIRA 18:12)

ZHDANOV, A.A.; VOLEGOV, V.P.; SHILKIN, Yu.V.

The fusing together of cold rolled strips during annealing.  
Metallurg 10 no.8:27-28 Ag '64.

(MIRA 17:11)

1. Novosibirskiy metallurgicheskiy zavod i Ural'skiy nauchno-  
issledovatel'skiy institut chernykh metallov.

L 36137-66 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c)  
ACC NR: AT6016763 JD/HM/HW(N) SOURCE CODE: UR/2776/65/000/042/0070/0076 51  
51

AUTHOR: Meandrov, L. V.; Bykov, A. A.; Shilkin, Yu. V.; Sonin, S. I.; Dus', V. V.; Chernyshov, O. G.

ORG: none

TITLE: Rolling of nickel-steel-nickel sandwich strip

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii. Sbornik trudov, no. 42, 1965. Proizvodstvo bimetallov (Production of bimetals). 70-76

TOPIC TAGS: ELECTRONIC EQUIPMENT, ROLLING mill, bimetal, nickel, steel, metal rolling / "450" ROLLING mill

ABSTRACT: The use of laminated Ni-steel-Ni strip would make it possible to save nickel in the production of Ni strip designed for the fabrication of various electronic instruments. Accordingly, the authors describe the pack-rolling method they developed for this purpose. Ni sheets measuring 5x195x295 mm and St.3 steel sheets measuring 25x200x300 mm, were welded together, heated to 1250°C and rolled in a "450" sheet mill into 3 mm thick bimetal (7 roll passes). The resulting product was pickled and cut into 90 mm wide strips which were cold-rolled in a four-high stand to a thickness of 0.2 mm. The mechanical properties of the finished 0.2 mm thick strip were found to be satisfactory. Subsequent pilot-industrial production of this strip revealed some shortcomings in the strength of adhesion between the sheets; this was remedied by changing

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L 36137-66

ACC NR: AT6016763

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the design of the welding groove to a swallowtail shape. As ultimately worked out under industrial conditions, the flowsheet for the production of this strip is as follows: a) preparation and assembling of bimetal sandwich strip; b) hot rolling of strip to 3.0-3.5 mm; c) pickling; d) cold rolling to thickness of 1.8-2.0 mm; e) cutting to 200 mm width; f) bright annealing; g) cold rolling to 0.60 mm; h) bright annealing; i) cold rolling to 0.1, 0.2 and 0.3 mm; j) cutting, heat treatment and finishing of strip. Tests of components of electronic apparatus manufactured from Ni-steel-Ni sandwich strip produced positive results. Orig. art. has: 3 figures, 3 tables.

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SUB CODE: 13, 11, 09/ SUBM DATE: none/ ORIG REF: 001

Joining of Dissimilar Metals 4

Card 2/2 *ell*

L 32981-66 EWT(m)/EWP(k)/T/EWP(w)/EWP(t)/ETI IJP(c) HW/JD  
 ACC NR: AP6021714 SOURCE CODE: UR/0130/66/000/003/0032/0033

AUTHOR: Zhdanov, A. A.; Shilkin, Yu. V.

*45B*

ORG: Novosibirsk Metallurgical Plant (Novosibirskiy metallurgicheskiy zavod)

TITLE: Effect of the slab heating mode on the quality of plates

SOURCE: Metallurg, no. 3, 1966, 32-33

TOPIC TAGS: stainless steel, quality control, metal heat treatment, hot rolling, cold rolling, grain size / OKh13 stainless steel, 1Kh13 stainless steel

ABSTRACT: In the process of hot rolled sheets made from the Cr-containing stainless steels OKh13 and 1Kh13, a sizable number of sheets are scrapped due to edge cracking. The present study showed that the formation of edge cracks is a function of the slab soaking time in the processing furnaces. Data are given of the number of ingots with edge cracks in the rolled strip as a function of heating time at 1220-1260°C:

Heating time,	from 1-40	from 2-01	from 2-31
hr - min	to 2-00	to 2-30	to 3-00

Number of ingots in which edge cracking appeared in rolled strips, % of rolled product	53.8	77.0	73.1
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L 39981-66

ACC NR: AP6021714

0

With increase in heating time at constant temperature, edge cracking increases. It was established that at the edges, the grain size was 4 units, i. e., 3-4 units higher than in the average section of the plates. By increasing the rolling speed 25-30%, edge cracks formed along the entire length of the strips. By decreasing the rolling speed to ordinary levels, the edge cracking disappeared. The cause of edge cracking was attributed to the larger grain size at the edges and the consequent loss in ductility. Further experiments were carried out with a 30° lowering in the temperature of the preheating furnace. Orig. art. has: 1 table.

SUB CODE: 11,14/ SUBM DATE: none

Card 2/2 b/s

IL'INSKAYA, I.A.; DOROFEEV, P.I.; SAMYLINA, V.A.; SNIGIREVSKAYA, N.S.;  
SHILKINA, L.A.

Paleobotanical collections of the V.L.Komarov Botanical  
Institute of the Academy of Sciences of the U.S.S.R. Bot.zhur.  
50 no.10:1490-1497 0 '65. (MIRA 18:12)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

LEPKOV, L.P.; YASTREBOVA, V.F.; CHEKAREV, I.I.; MILINKOVICH,  
V.I.; SHILKINA, L.M.; AYBASHEVA, T.V., red.

[Manual of estimates and norms for the overhauling of buildings and structures in railroad transportation] Smetno-normativnyi spravochnik po kapital'nomu remontu zdanii i sooruzhenii zheleznodorozhnogo transporta. Moskva, Transport, Pt.2. Sec.2. 1965. 184 p. (MIRA 18:8)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.
2. Normativno-tehnologicheskiy sektor Proyektno-konstruktorskogo byuro Glavnogo upravleniya elektrifikatsii i energeticheskogo khozyaystva Ministerstva putey soobshcheniya SSSR (for all except Aybasheva).

SHILKINA, S., vrach

Health resorts for aviators, Grazhd. av. 22 no.7:29 Jl '65. (MIRA 18:7)

1. Novosibirskoye aviatsionnoye podrazdeleniye.

SHILKINA, V.V.

All-Union Public Review of the Technological Process. Gidroliz.  
i lesokhim. 18 no.2:32 '65. (MIRA 18:5)

1. TSentral'noye pravleniye Nauchno-tehnicheskogo obshchestva  
bumazhnoy i derevoobrabatyvayushchey promyshlennosti.

L 27212-65 EED-2/EET(d)/FBD/FSF(h)/FSS-2/EAT(1)/FS(v)-3/EED(c)-2/EED(k)-2/EED(g)-2/ENG(v)/  
 EEA(d)/EED(t)/T/EED(c)-2/EED-2/EED(b)-3 Pa-L/Po-4/Pg-5/Pq-4/Pac-4/Pg-4/  
 Pac-2/Pi-4/Pk-4/P1-4 IJP(c) TT/GW/WR S/2816/63/000/032/0043/0047  
 ACCESSION NR: AT5003549

AUTHORS: Belenko, V. I.; Belenko, R. M.; Krylov, A. G.; Panferov, I. M.; Romanova,  
 G. V.; Sentsova, Yu. Ye.; Shilkina, Z. S.

TITLE: Observations on the satellites 1961  $\epsilon_1$ , 1961  $\alpha_1$ , 1961  $\pi_1$ , 1961  $\zeta_1$ , and 1960  $\zeta_1$

SOURCE: AN SSSR. Astronomicheskiy sovet. Byulleten' stantsiy opticheeskogo  
 nablyudeniya iskusstvennykh sputnikov Zemli, no. 32, 1963, 43-47

TOPIC TAGS: artificial satellite, satellite tracking, satellite tracking camera/  
 1961  $\epsilon_1$  satellite, 1961  $\alpha_1$  satellite, 1961  $\pi_1$  satellite, 1961  $\zeta_1$  satellite, 1960  $\zeta_1$   
 satellite, NAF-A 3a/25 camera, KIM 3 microscope, Ural computer

ABSTRACT: Observations were made on the indicated satellites in August, September,  
 and October 1961. A NAF-A 3a/25 camera was used, and the observer was A. G. Krylov.  
 Measurements on the KIM-3 microscope were made by R. M. Belenko, G. V. Romanova,  
 and I. M. Panferov. Computations were made by the Kisselov method by means of two  
 sets of three reference stars and by the Turner method. Computations on the Ural  
 computer were made by Yu. Ye. Sentsova. Observation times were reduced to standard  
 time. The last column of the table shows maximum possible error in coordinates  
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1971-45  
ACQUISITION IRI: AT5003549

because of unreliability of determining optical center within 1 cm. V. I. Belenko  
and Z. S. Shilkina participated in the work. Results of 118 observations are given  
in a table, part of which is reproduced on the Enclosure. Orig. art. has: 1 table.

ASSOCIATION: Stantsiya Astronomicheskogo soveta AN SSSR (Station of the  
Astronomical Council, AN SSSR)

SUBMITTED: 28Dec62

ENCL: 01

SUB CODE: SV, DC

NO REF SOV: 000

OTHER: 000

Card 2/3

DELIMARSKIY, Yu.; DANCHENKO, I. D.; SHILINA, G. Ya.

Rotating disk electrode in the polarography of molten salts. Coll  
Cz Chem 25 no.12:3061-3064 D '60. (EEAI 10:9)

1. Institut obschey i neorganicheskoy khimii, Akademiya nauk Ukrainskoy  
SSR, Kiev.

(Electrodes) (Polarograph and polarography) (Salts)

VANCHIKOV, A.N., doktor tekhn.nauk; SHILINA, L.S., mladshiy nauchnyy  
sotrudnik; PIOTROVSKIY, S.L., konstruktor

Web drawing from synthetic staple fibers on carding machines.  
Tekst. prom. 20 no. 11:22-25 N '60. (MIRA 13:12)  
(Rayon spinning)

PAPIN, V.M., kandidat tekhnicheskikh nank; SHILINA, N.A., inzhener.

Needle filter units with water jet pumps. Stroi.prom. 31 no.7-44-47 J1 '53.  
(MLRA 6:8)  
(Pumping machinery)

SHILINA, N. A.

USSR/Miscellaneous - Water wells

Card : 1/1 Pub. 106 - 9/9

Authors : Papin, V. M. and Shilina, N. A., Cand. of Techn. Sc.

Title : Needle-filter installations for water-jet pumps

Periodical : Stroi. prom. 7, 44 - 47, July 1954

Abstract : Description of a needle-filter arrangement used with water-jet pumps for artificial reduction of the ground-water level. Table; graphs; diagrams; illustration.

Institution : ...

Submitted : ...

SHILINA, R.F.; BOGDANOV, K.A.; SOBOLEVSKAYA, A.V.

Synthetic enanthole. Masl.-zhir.prom. 26 m.7:38-39 J1 '60.  
(MIRA 13, 7)  
1. Kaluzhskiy kombinat sinteticheskikh dushistykh veshchestv.  
(Heptanal)

LASKINA, Ye.D.; DEVITSKAYA, T.A.; BYCHKova, Z.N.; SHILINA, R.F.;  
SUKHORUKOVA, T.V.

Preparation of heliotropin from the methylene ether of  
pyrocatechin and formaldehyde with the use of  $\gamma$ -nitrobenzene-  
sulfonic acid. Trudy VNIISNDV no.5:21-25 '61. (MIRA 14:10)  
(Piperonal)

LASKINA, Ye.D.; SIMANOVSKAYA, E.A.; BELOV, V.N.; BYCHKOVA, Z.N.;  
SHILINA, R.F.; YEMEL'YANENKO, Z.T.; MIKHAYLOVA, Z.V.

Intermediate products of the synthesis of odorous substances.  
Report No.10: Preparation of guaiacol, guäthol, veratrole, and  
o-diethoxybenzenes from pyrocatechin. Trudy VNIISNDV no.5:25-30  
'61. (MIRA 14:10)

(Piperonal)

BOGACHEVA, K.I.; BYCHKOVA, Z.N.; SHILINA, R.F.; YAKUSHEVA, Ye.F.;  
GRIGOR'YEVA, Ye.F.

Better methods for manufacturing pseudoionone. Trudy VNIISNDV  
no.5:112-113 '61. (MIRA 14:10)  
(Pseudoionone)

USSR / Farm Animals, Cattle (Small)

Q-3

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7183

Author : V. I. Oryel, G. I. Smolina, T. Ye. Shilina, N.V.Zhma-  
kina, L.I. Prikhod'ko, V.T. Fedoseyeva, O.S. Shir-

yayeva, R. Sergeyeva.

Inst : Stavropol Agricultural Institute

Title : The Effect of Full Value Protein Feeding on the  
Thickness of the Wool of Soviet Merino Ewes Two to  
Twelve Months Old.

Orig Pub: Sb. nauchno-issled. rabot stud. Stavropol'sk. s-kh.  
in-t, 1956, vyp. 4, 79-81.

Abstract: With biologically full value protein feed the  
active growth of wool in young ewes occurs at the  
age of 2 weeks to six months.

Card 1/1

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BELENKO, V.I.; BELENKO, R.M.; KRYLOV, A.G.; PANFEROV, I.M.;  
ROMANOVA, G.V.; SENTSOVA, Yu.Ye.; SHILKINA, Z.S.

Station of the Astronomical Council of the Academy of Sciences  
of the U.S.S.R., 1961  $\xi$ , 1961  $\alpha$ , 1961  $\pi$ , 1960  $\xi$ , 1960  $\zeta$ ).  
Biul. st. opt. nabl. isk. sput. Zem. no. 32:43-47, 1963.  
(MIRA 17:7)

1. Stantsiya Astronomicheskogo soveta AN SSSR.

1. SHILINGER, YU. I.
  2. USSR (600)
  4. DDT (Insecticide) (Continued)
  7. Penetration of dichloro-diphenyl-trichloro-ethane (DDT) into the milk of cows, treated with this preparation against gadflies, Vop.pit. 12 no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

Name: SHILINIS, Yu. A.

Dissertation: Yefrem Osipovich Mukhin and his contribution to the development of Russian medicine

Degree: Cand Med Sci

Affiliation: Second Moscow State Medical Inst imeni I. V. Stalin

Defense Date, Place: 1956, Pskov

Source: Knizhnaya Letopis', No 51, 1956

SHILINS, Yu.A.

V.M. Bekhterev and modern problems in the structure and function  
of the normal and pathological brain." Reviewed by Yu.A.  
Shilins. Zhur. nerv. i psikh. 60 no. 12:1683-1684 '60.  
(MIRA 14:4)  
(BRAIN) (BEKHTEREV, VLADIMIR MIKHAILOVICH, 1857-1927)

SHILINSKAYTE, Z.

Diagnostic significance of agar fixation reactions. Vop. onk. 7  
no.1:87-88 '61. (MIRA 14:2)  
(TUMORS)

SHILINIS, Yu.A., kand.med.nauk; KAL'YU, T.V.

"Princes of medicine." Reviewed by Yu.A.Shilinis, T.V.Kal'iu.  
Sov.zdrav. 20 no.1:86-88 '61. (MIRA 14:5)  
(MEDICINE)

SHILINIS, Yu.A.

Prominent advocate of nervosism in Soviet medicine, G.N.Durdufi.  
Zdravookhranenie 5 no.3:58-62 My-Je '62. (MIRA 16:1)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny  
N.A.Semashko (direktor P.I.Kal'yu).  
(NEUROLOGY)  
(DURDUFI, GEORGII NIKOLAEVICH, 1860-1903)

SHILINIS, Yu.A., kand.med.nauk

"Moscow Medical and Surgical Academy; an historical essay" by  
A.B.Preisman. Reviewed by IU,A.Shilinis. Sov. zdrav. 21 no.5:  
90-92 '62. (MIRA 15:5)  
(MOSCOW—MEDICAL COLLEGES) (PREISMAN, A.B.)

SHILINIS, Yu.A., kand.med.nauk

Eminent Soviet pathophysiolist. Med.sestra 21 no.9:54-55 S '62.  
(MIRA 15:9)  
(BOGOMOLETS, ALEKSANDR ALEKSANDROVICH, 1881-1946)

SHILINIS, Yu.A. (Moskva)

I.P. Pavlov's opinion on the purposelessness of creating a  
special institute for the study of the body's reaction to  
its external environment. Zhur. nevr. i psikh. 62 no.3:477-478  
'62. (MIRA 15:3)

(PAVLOV, IVAN PETROVICH, 1849-1936)

GLYAZER, Hugo [Glaser, Hugo], prof.; FEDOSYUK, Yu.A. [translator];  
SHILINIS, Yu.A., kand. med. nauk; LYUDKOVSKAYA, N.I., tekhn.  
red.

[Basic traits of contemporary medicine] Osnovnye cherty sovremennoi  
meditsiny. 2. izd. Moskva, Medgiz, 1962. 159 p. Translated from  
the German.

(MEDICINE)

SHILINIS, Yu.I.; RABINOVICH, R.S.

Review of Mary A.B. Brazier's book "A history of the electrical activity of the brain". Zhur. vys. nerv. deiat. 13 no.6:1116-1118  
(MIRA 17:7)  
N-D '63.

SHILINIS, Yu.A.

Aleksei Dmitrievich Speranskiy. Fel'd. i akush. 28 no.3:  
(MIRA 16:7)  
52-55 Mr'63.

1. Iz Instituta organizatsii zdravookhraneniya i istorii me-  
ditsiny imeni N.A.Semashko Ministertstva zdravookhraneniya  
SSSR. (SPERANKSII, ALEKSEI DMITRIEVICH, 1888 - 1961)

PETROV, B.D., prof.; SHILINIS, Yu.L., red.

[History of medicine in the U.S.S.R.] Istorija meditsiny  
SSSR. Pod red. B.D.Petrova. Moskva, Meditsina, 1964.  
644 p. (MIRA 17:10)

1. Akademija meditsinskikh nauk, Moscow. Institut organi-  
zatsii zdravookhraneniya i istorii meditsiny. 2. Zavedu-  
yushchiy otdelom istorii meditsiny i zdravookhraneniya  
Instituta organizatsii zdravookhraneniya i istorii medi-  
tsiny imeni N.A.Semashko Ministerstva zdravookhraneniya  
SSSR (for Petrov).

KOGAN, David Abramovich; SHILINIS, Yu.A., red.

[Homeopathy and modern medicine] Comeopatiia i sovremen-  
naia meditsina. Moskva, Meditsina, 1964. 216 p.  
(MIRA 17:12)

PETROV, B.D., prof.; SHILINIS, Yu.A., red.

[History of medicine in the U.S.S.R.] Istorija meditsiny  
SSSR. Pod red. B.D.Petrova. Moskva, Meditsina, 1964.  
644 p. (MIRA 17:10)

1. Akademija meditsinskikh nauk, Moscow. Institut organizatsii zdravookhraneniya i istorii meditsiny. 2. Zaveduyushchiy otdelom istorii meditsiny i zdrevookhraneniya Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko Ministerstva zdravookhraneniya SSSR (for Petrov).

SHILINIS, Yu.A., kand.med.nauk

History of natural science and medicine in the Baltic region.  
(MIRA 12:2)  
Sov.zdrav. 18 no.1:55-56 '59.  
(BALTIC STATES --SCIENCE)

SHILINIS, Yu.A. (Moskva)

Fiftieth anniversary of the protest of Moscow University against  
tsarist policy in the field of education. Sov.zdrav. 20 no.5:  
'61. (MIRA 14:5)  
(EDUCATION)

SHILINIS, Yu.A., kand.med.nauk

Khachatur Sergeevich [Sedrokovich] Koshtoants. Sov. zdrav. 20  
(MIRA 15:1)  
no.8:87-88 '61.  
(KOSHTOANTS, KHACHATUR SERGEEVICH, 1900-1961)

SHILINIS, Yu.A. (Moskva)

Ivan Petrovich Pavlov. Fel'd. i akush. 26 no.3:35-39 Mr '61.  
(MIRA 14:3)  
(PAVLOV, IVAN PETROVICH, 1849-1936)

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CIA-RDP86-00513R001549420013-2

SHILINIS, Yu.A., kand.med.nauk (Moskva)

Aleksandr Aleksandrovich Bogomolets. Fel'd. i akush. 26 m. 9:54-57  
S '61. (MIA 14:10)  
(BOGOMOLETS, ALEKSANDR ALEKSANDROVICH, 1881-1946)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420013-2"

KOZLOV, M. F.[Kazlou, M. F.]; SHILINSKAYA, Ya. M.[Shyilinskaia, IA. M.]

Balance of ground water in the basin of the middle reaches  
of the Sluch River. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no. 1:  
87-97 '63.

(MIRA 16:4)

(Sluch Valley--Water, Underground)

SHIL'DOVSKIY, ... [USSR/U.S.]

Registration of electrical activity of the heart. Preliminary  
report. Kardiologiya no.3c(7).K 1965.

(MIRA 18:10)

I. Meditsinskiy Institut, Kaunas,

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420013-2

SHILINTSEV, D.; SVIRIDENKOV, N.

A great force. Av. i kosm. 47 no.7:84-85 Jl '65.

(MIRA 18:6)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420013-2"

SHILINYA, A.R.

Use of furacilin in operative dentistry. Stomatologija, no.3:  
(MLRA 7:6)  
34-37 My-Je '54.

1. Iz kafedry khirurgicheskoy stomatologii (zav. prof. V.A.  
Aronson) Rizhskogo meditsinskogo instituta (dir. zasluzhennyj  
deyatel' nauki prof. Ye.M.Burtnieks)  
(FURAN DERIVATIVES, therapeutic use,  
\*nitrofurazone in operative dent.)  
(DENTISTRY, OPERATIVE,  
\*nitrofurazone in)

SHILIUNSKIY, Sh.

Radio communication between antipodes. Radio no.1:25 Ja '59.  
(MIRA 12:3)

(Radio)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420013-2

SHILYANOV, NIKOLAY

Economically most suitable Material for Conductors of Power Transmission  
Lines. Elektroenergiya (Electric Power), #9:10:Sep 55

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001549420013-2"

16.9500

77473  
SOV/103-21-1-4/22

AUTHOR: Matyash, I., Shilkhanek, Ya. (Pardubice, Czechoslovakia)

TITLE: Generator of Random Processes With A Given Matrix of Spectral Densities

PERIODICAL: Avtomatika i telemekhanika, 1960, Vol 21, Nr 1,  
pp 29-35 (USSR)

ABSTRACT: In the study a method is explained of designing a generator of n stationary random processes with an arbitrary matrix of rational spectral densities. This generator consists of a minimum number of the noncorrelated generators of white noise and stable linear filters. The Generation of One Random Process. On the basis of first U.S. reference at the end of this abstract, a generator is considered consisting of a white noise generator  $Q_1$  and of a filter  $F_{11}$  with the transfer function  $Y_{11}(s)$ . In order to obtain an output signal  $u_1(t)$  of a given density  $G_{11}(s)$ , the transfer function of the stable linear filter of a minimum phase variation is given in the form:

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$$Y_{11}(s) = A_1(s), \quad (3)$$

where  $A_1(s)$  is a function having neither poles nor zeros on the right-hand side of the half-plane. When in series with this filter another filter is connected varying the phase only and of the transfer function:

$$H_1(s) = \frac{f(s)}{f(-s)}, \quad (4)$$

where  $f(s)$  is a polynomial, then the transfer function  $Y_{11}(s)$  is as follows:

$$Y_{11}(s) = A_1(s) H_1(s), \quad (6)$$

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The Generation of n Random Processes. Figure 2 shows a  
block diagram of the generator of n random processes.

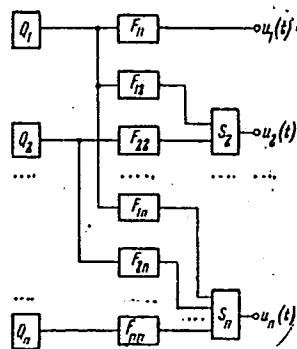


Fig. 2

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This system consists of n-noncorrelated generators of white noise  $Q_1, Q_2, \dots, Q_n$ , consisting of  $1/2 [n(n + 1)]$  linear stable filters  $F_{ik}^n$  ( $i = 1, 2, \dots, n$ ;  $k = i, i + 1, \dots, n$ ) with transfer functions  $G_{ik}(s)$ , and of  $n - 1$  summation devices  $S_k$  ( $k = 2, 3, \dots, n$ ). Process  $u_1(t)$  is at the output of filter  $F_{11}$ , and process  $u_k(t)$  ( $k = 2, 3, \dots, n$ ) is at the output of the summation device  $S_k$ . In order that the output signals  $u_1(t), u_2(t), \dots, u_n(t)$  of the generator represent processes with the given matrix of spectral densities  $\|G_{ik}(s)\|$  ( $i, k = 1, 2, \dots, n$ ) the following conditions must be satisfied:

$${}^1G_{11}(s) = Y_{11}(s)Y_{11}(-s),$$

$${}^1G_{12}(s) = Y_{12}(s)Y_{11}(-s),$$

$${}^1G_{22}(s) = Y_{12}(s)Y_{12}(-s) + Y_{22}(s)Y_{22}(-s),$$

i.e., generally:

$${}^1G_{ik}(s) = \sum_{j=1}^i Y_{jk}(s)Y_{ji}(-s) \quad (i = 1, 2, \dots, n) \quad (k = i, i + 1, \dots, n) \quad (9)$$

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In this equation the function  ${}^1G_{ik}(s)$  represents the mutual spectral density of processes  $u_1(t)$  and  $u_k(t)$ . Functions  ${}^1G_{ik}(s)$  form the matrix of spectral densities  $\| {}^1G_{ik}(s) \|$  ( $i, k = 1, 2, \dots, n$ ). The transfer functions  $Y_{ik}(s)$  of the linear filters  $F_{ik}(s)$  ( $i = 1, 2, \dots, n$ ;  $k = i, i+1, \dots, n$ ) must be determined. Introducing the auxiliary function  $r+{}^1G_{ik}(s)$  ( $r = 1, 2, \dots, n - 1$ ) and corresponding recurrent equations, the following expression for  $Y_{ik}$  is found:

$$Y_{ik}(s) = \frac{{}^1G_{ik}(s)}{A_i(-s)} H_i(s) \quad \begin{pmatrix} i=1, 2, \dots, n \\ k=i, i+1, \dots, n \end{pmatrix}. \quad (20)$$

Functions  $H_i(s)$  must be determined so that all  $Y_{ik}(s)$  ( $k = i, i+1, \dots, n$ ) should be transfer functions of stable filters. The method is illustrated in an example in which a generator is investigated of three random processes whose

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spectral densities are given in form:

$${}^1G_{11}(s) = \frac{2-s^2}{4-s^2}, \quad {}^1G_{12}(s) = \frac{s^2}{(3+s)(2-s)},$$

$${}^1G_{13}(s) = \frac{2-s^2}{(3+s)(2-s)}, \quad {}^1G_{22}(s) = \frac{-2s^2+2s^4}{(2-s^2)(0-s^2)},$$

$${}^1G_{23}(s) = \frac{-2s+2s^3}{9-s^2}, \quad {}^1G_{33}(s) = \frac{4-2s^2}{3-s^2}.$$

In conclusion, the author says that the method given is a general method of design of a generator of random processes with a given matrix of rational spectral densities. The generator consists of a minimum number ( $n$ ) of white noise generators  $Q_i$  and of a minimum number  $n(n+1)/2$  of

linear filters  $F_{ik}$ . The block diagram (Fig. 2) makes it possible to determine the transfer functions  $Y_k(s)$  of the filters  $F_{ik}$  simply, from given spectral densities (Eq. 20). In the Appendix some properties of the matrix of spectral densities are discussed. There are 3 figures; and 9

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Generator of Random Processes With A Given  
Matrix of Spectral Densities

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references, 4 Soviet, 1 Czechoslovak, 4 U.S. The U.S.  
references are: Lanning, J. H., Battin, R. H., Random  
Processes in Automatic Control, McGraw-Hill, N.Y., 1956;  
Smith, O. J. M., Feedback Control Systems, McGraw-Hill,  
N.Y., 1958; Wiener, N., Extrapolation, Interpolation and  
Smoothing of Stationary Time Series, John Wiley & Sons,  
1949; Cramer, H., On the Theory of Stationary Random  
Processes, Ann. Math., Vol 41, Nr 1, 1940.

SUBMITTED: June 20, 1959

Card 7/7

SHILKHANEK, Ya. (Pardubitse, Chekhoslovakiya)

Simulation of a linear system with n.number of stationary random inputs without the use of generators of random disturbances. Avtom. i telem. 21 no.5:652-654 My '60. (MIRA 13:7)  
(Automatic control)

MATYASH, I. (Pardubitse, Chekhoslovakiya); PROUZA, L. (Pardubitse, Chekhoslovakakiya); SHILKHANEK, Ya. (Pardubitse, Chekhoslovakakiya)

Problem concerning the method for generating random processes with  
a given matrix of spectral densities. Avtom. i telem. 22 no.3:  
403-405 Mr '61. (MIRA 14:9)  
(Automatic control) (Pulse techniques (Electronics))

MATYASH, I. (Pardubitse, Chekhoslovatskaya SSR); SHILKHANEK, Ya.  
(Pardubitse, Chekhoslovatskaya, SSR)

Description of multidimensional linear systems in matrix form.  
Avtom.i telem. 22 no.7:876-884 J1 '61. (MIRA 14:6)  
(Automatic control) (Radio filters) (Matrices)

MATYASH, I. (Pardubitse, Chekholslavatskaya Sotsialisticheskaya  
Respublika); SHILKHANEK, Ya. (Pardubitse, Chekholslavatskaya  
Sotsialisticheskaya Respublika)

Determination of transfer functions of multidimensional linear  
systems using the statistical characteristics of the input  
and output of the system. Avtom. i telem. 22 no.9:1248-1252  
S '61. (MIRA 14:9)

(Automatic control)

SHILKIN, A., delegat V s"yezda Dobrovolskogo obshchestva sodeystviya armii,  
aviatsii i flotu

A radio amateur section and its members. Radio no. 6:4 Je '62.  
(MIRA 15:5)

1. Predsedatel' rayonnogo komiteta Dobrovolskogo obshchestva  
sodeystviya armii, aviatsii i flotu Sverdlovskogo rayona Moskvy,  
(Radio operators) (Radio clubs)

S/081/62/000/007/001/033  
B156/B101

AUTHORS: Shilkin, A. I., Kuliyev, A. A.

TITLE: Monocrystals of tellurium grown by pulling from melts

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 7, 1962, 36,  
abstract 7B209 (Izv. AN AzerbSSR. Ser. fiz.-matem. i  
tekhn. n., no., 1, 1961, 57-59)

TEXT: Large monocrystals (~ 5 cm long) of Te, grown by pulling from a melt, have been produced. A special apparatus has been constructed, in which monocrystals of Te are grown in ampoules. The initial Te was purified five times by distillation in a vacuum, and then placed in a vacuum ( $\sim 10^{-4}$  mm Hg) ampoule. The ampoule was inserted into a tube furnace, in which the temperature was kept 2-3°C above the melting point of Te. By means of a special device the ampoule was drawn through the furnace at 0.2 mm/min. The product, which was almost monocrystalline, was first used as a seeding substance and employed for the usual procedure of pulling monocrystals from melts. The pulling rate was

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Monocrystals of tellurium grown ...

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0.4-0.5 mm/min, and the specimen was rotated at 6 rpm. A new seed base was then prepared from the specimen and the pulling procedure repeated 3 times; the result was a large, perfect monocrystal. The monocrystallinity and structural perfection were confirmed by cleaving, also radiographically (by Laue diffraction patterns). The purity of the crystals obtained was > 99.9999%. [Abstracter's note: Complete translation.]

Card 2/2

SHILKIN, A.I.; KULIYEV, A.A.

Apparatus for growing tellurium single crystals by pulling from  
the melt. Prib.i tekhn.eksp. 6 no.5:172-174 S-0 '61.

(MIRA 14:10)

1. Institut fiziki AN AzSSR.  
(Tellurium) (Crystallization)

SHILKIN, A.I.; KULIYEV, A.A.

Apparatus for non-crucible zone melting of substances having a low  
surface tension. Zav.lab. 29 no.12:1504-1505 '63. (MIRA 17:1)

1. Institut fiziki AN AzSSR.

AUTHOR: Shilkin, N.V., Engineer 117-58-6-19/36

TITLE: A New Means of Connecting Hoses (Novyy sposob soyedineniya shlangov)

PERIODICAL: Mashinostroitel', 1958, Nr 6, pp 30-31 (USSR)

ABSTRACT: Hoses are usually connected by means of a step adapter and a stub pipe. These connections do not last long and are not tight enough. A new device has been developed by the author. It consists of an outer adapter and an inner conical stub pipe. If two hoses are to be connected, a double stub pipe is used. The connection between hose and pipe (Figure 2) is a nut. The outer adapter is drawn over an 8-12 mm - long end of the hose. Then the conical stub pipe is put into the hose. The connection is made quickly and is reliable. It has been tested for pressures up to 200 atm. It has already been used in the hoses of hydraulic jacks, working with a pressure of 60-100 atm, and also in water hoses used for washing locomotive boilers with water at a pressure of 8 atm. The author tried out the new method in the transportation workshop of the Elektrostal'skiy zavod tyazhelogo mashinostroyeniya imeni Stalina (Electrosteel Plant of Heavy Machine Construction imeni Stalin). There were no defects. There are 2 figures.

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AVAILABLE: Library of Congress

S/121/61/000/008/001/006  
D041/D113

AUTHORS: Gladkov, B.A.; Mayorova, E.A.; Shilkin, O.D.; Shiferson, M.M.

TITLE: The use of plastics for manufacturing large-size components  
of machine-tools

PERIODICAL: Stanki i instrument, no. 8, 1961, 1-4

TEXT: The article describes experimental investigations carried out with plastics in order to determine the extent to which they may be used for manufacturing large-size components of metal cutting machine-tools. These components can be manufactured by casting or by contact molding, the latter producing better mechanical properties in the components. The hardness of large-size components manufactured by the casting method can be raised by improving the properties of the binding and fiber fillers. As glass fibers in the form of cloth etc. can be used as fillers, the use of glass plastics for making lathe components was considered. Since there was practically no data on the stability of glass plastics, their swelling-up and creep characteristics were investigated in detail. The swelling-up of the specimens was tested in water-cooling liquids and mineral oil at a high relative hu-

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S/121/61/000/008/001/006  
D041/D113

The use of plastics...

humidity ( $95 \pm 5\%$ ) and temperature ( $50 \pm 5^{\circ}\text{C}$ ). The creep characteristics were investigated by loading the specimens so as to produce bending, i.e. by applying a concentrated force to the center of the specimen which was placed on two supports. Plastic specimens obtained by contact molding from NH-1 (PN-1) polyester gum and T (T) glass cloth, and by hot pressing from KACT B (KAST V) glass textolite, AG-4S (AG-4S) glass plastics and RA glass textolite (CSR brand), were tested. The creep of plastics made of epoxy resin and a metal filler by mold casting, was also investigated. The specimens were covered either by a protective layer or by "924" nitro-enamel. They were weighed on an analytical balance with an accuracy of up to 0.0004 g. The following results were obtained: KAST V glass textolite showed the largest change in weight (1.26%), the saturation point being reached after 19 days; glass plastics made of PN-1 polyester gum showed a weight increase of 0.6% and did not attain the saturation point after 83 days; AG-4S glass plastics had the least change in weight (0.19% after 83 days), and RA glass textolite attained a maximum water absorption (0.77%) after 6 days. Tests in the humidity chamber showed that KAST V glass textolite had the largest humidity absorption, while AG-4S and glass plastics obtained by contact

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The use of plastics...

molding showed the lowest hygroscopicity. The nitro-enamel layer did not protect the specimens from humidity and the oil cooling liquids. Linear changes in the plastics depended on the medium in which they were placed, on the method of their manufacture, on their machining, and on the type and quantity of the binding agent. Cooling liquids and a high relative air humidity reduced the mechanical properties by 1.5-2 times. Creep tests were carried out at room temperatures using the  $\Pi K-2$  ( $PK-2$ ) device designed by ENIMS. This device permitted deformations during bending at constant load to be measured. KAST V glass textolite served as a reference specimen. The results show that AG-4S and RA have the lowest creep, while cast specimens of epoxy resins with a metal filler have the highest (15-20 times higher than the reference specimen's creep at a bending stress of  $100-200 \text{ kG/cm}^2$ ), and cannot be used for making high-duty components of metal-cutting machine-tools. It is concluded that glass plastics can be used only for large-size machine-tool components. ENIMS and NIIP have manufactured a series of large-size components for the  $1K62$  ( $1K62$ ) screw-cutting lathe in order to validate the obtained results. The zavod "Stankokonstruktsiya" ("Stanko-konstruktsiya" Plant) has manufactured the following parts for the  $1K62$

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The use of plastics...

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lathe from glass plastics: front and rear legs, rear leg inserts, tray, gearbox and feeding box covers, and housings. Test runs gave good results. There are 4 figures.

Card 4/4

MAYOROVA, E.A.; SHILKIN, O.D.; VASIL'YEV, V.A.; SHILOVA, Ye.A.

Plastic gears for jig-boring machines. Stan.i instr. 33 no.9-10-14  
S '62. (MIRA 15:9)

(Drilling and boring machinery)

MAYOROVA, E.A.; SHILOVA, Ye.A.; SHILKIN, O.D.; IL'INA T.S.

Molding gear wheels of caprolan. Stan. i instr. 35 no.6:  
23-25 Je '64 (MIRA 17:8)

VORONIN, V.S.; KRAKHIN, N.S.; SHILKIN, P.I.; PUSTOVALOV, A.I.

Supports with a sprayed concrete foundation. Gor. zhur.  
no.1:17-22 Ja '62. (MIRA 15:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov, g. Ust'-Kamenogorsk (for Voronin, Krakhin, Shilkin).
2. Maslyanskiy rudnik (for Pustovalov).  
(Mine timbering) (Concrete)

VARAKSIN, Vadim Nikolayevich; SHILKIN, Petr Ivanovich; ZYRYANOV,  
Timofey Pavlovich; KOROGOD, Grigoriy Alekseyevich;  
MIL'CHENKO, Dmitriy Vladimirovich; POLYAKH, V.A., otv.  
red.; VUROS, R.F., red.; UTEPOV, Zh.K., tekhn. red.

[Rod bolting in the Rudnyy Altai] Shtangovaia krep' na  
Rudnom Altae. Alma-Ata, TSentr. in-t nauchn.-tekhn.  
informatsii, 1960. 19 p. (MIRA 17:2)

VORONIN, V.S.; SHILKIN, P.I.

Testing and introduction of gunite reinforcements in haulage drifts.  
Gor. zhur. no.7;26-30 Jl '64. (GNEA 17:10)

I. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnoy metalurgii,  
Ust'-Kamenogorsk.

PANFIL', Leonid Semenovich; PERSKIY, G.M., inzh., retsenzent; SHILKIN, P.M.,  
inzh., retsenzent; SIDOROV, N.I., inzh., red.; BOBROVA, Ye.N.,  
tekhn. red.

[Safety engineering on electric traction substations] Tekhnika  
bezopasnosti na tiagovykh podstantsiiakh. Moskva, Vses. izdatel'sko-  
poligr. ob"edinenie M-va putei soobshcheniya, 1961. 141 p.  
(MIRA 14:8)

(Electric railroads—Substations)

LOSHCHILIN, Andrey Vasil'yevich; TERENT'YEV, Nikolay Konstantinovich;  
TYURIKOV, Aleksandr Ivanovich; RAKITIN, G.A., retsenzent; OZEMBLOVSKIY,  
Ch.S., retsenzent; SHCHERBACHEVICH, G.S., retsenzent; SMUSHKOV, P.I., re-  
tsenzent; SHILKIN, P.M., retsenzent; FEDOSEYEV, N.P., retsenzent;  
RESHETNIKOV, V.Ye., retsenzent; PESKOVA, L.N., red.; ZHDANOV, P.A., red.;  
KHITROV, P.A., tekhn. red.

[Safety engineering and industrial sanitation in railroad transportation;  
handbook]Tekhnika bezopasnosti i proizvodstvennaia sanitariia na zhelezno-  
dorozhnom transporte; spravochnaia kniga. Pod obshchei red. P.A.Zhdanova.  
Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniiia,  
1961. 455 p. (MIRA 14:12)

(RAILROAD--SAFETY MEASURES) (RAILROADS—SANITATION)

TEPLYKH, Ivan Grigor'yevich; SHILKIN, P.M., inzh., red.; BOBROVA,  
Ye.N., tekhn. red.

[Operating an a.c. contact network] Opyt ekspluatatsii kontakt-noi seti peremennogo toka. Moskva, Transzheldorizdat, 1962. 27 p.  
(MIRA 15:7)

(Electric networks)

(Electric railroads)

SHILKIN, P.M.; ZEL'VYANSKIY, Ya.A.; SIBAROV, Yu.G.; KUSTOV, V.M.;  
TSYKHMAN, A.I.; KUVSHINOV, M.I.; SHIPAREV, Yu.A.; TYURNIN,  
G.A.; AVSTREYKH, L.D.; BAKANOV, N.N.; KHITROV, P.A., tekhn.  
red.

[Safety engineering regulations for operating the contact  
networks of d.c. electrified railroads] Pravila tekhniki bez-  
opasnosti pri ekspluatatsii kontaktnoi seti postoiannogo to-  
ka elektrifitsirovannykh zheleznykh dorog. Moskva, 1962.  
(MIRA 15:7)  
128 p.

1. Russia (1923- U.S.S.R.) Glavnaya upravleniya elektrifi-  
katsii i energeticheskogo khozyaystva. 2. Zamestitel' na-  
chal'nika tekhnicheskogo otdela TsE Ministerstva putey  
soobshcheniya (for Shilkin). 3. Tekhnicheskiy otdel TsE Mi-  
nisterstva putey soobshcheniya (for Zel'vyanskiy). 4. TSen-  
tral'nyy komitet profsoyuza rabochikh zheleznodorozhnoego  
transporta (for Sibarov). 5. Nauchno-tehnicheskiy sovet Mi-  
nisterstva putey soobshcheniya (for Kustov). 6. Sluzhba  
elektrifikatsii i energeticheskogo khozyaystva Odesskoy zhe-  
leznoy dorogi (for Tsykhman). 7. ECh Yuzhno-Ural'skoy zheleznoy  
dorogi (for Kuvshinov). 8. ECh Moskovskoy zheleznoy dorogi  
(for Segala, Shiparev, Tyurnin). 9. EChK Oktyabr'skoy zhelez-  
noy dorogi (for Avstreykh). EChK Moskovskoy zheleznoy dorogi  
(for Bakanov). (Electric railroads—Safety regulations)

VASHURIN, A.A.; SHILKIN, P.M.; ZEL'VYANSKIY, Ya.A., starshiy inzh.

New safety engineering regulations for operating electric power supply systems. Elek. i tepl. tiaga no. 6:30-32 Je '62.

(MIRA 15:7)

1. Zamestitel' nachal'nika otdela tyagovykh podstantsiy i kontaktnoy seti TsE Ministerstva putey soobshcheniya (for Vashurin).
2. Zamestitel' nachal'nika tekhnicheskogo otdela TsE Ministerstva putey soobshcheniya (for Shilkin). 3. Tekhnicheskiy otdel TsE Ministerstva putey soobshcheniya (for Zel'vyanskiy).

(Electric railroads—Safety regulations)

(Electric railroads—Current supply)

SHILKIN, P.M.; ZEL'VYANSKIY, Ya.A.; SIBAROV, Yu.G.; MILOVIDOV, L.G;  
KRAPIVIN, V.G.; OZADOVSKIY, I.N.; MOLIN, N.I.;  
VOROTNIKOVA, L.F., takhn. red.

[Safety engineering manual for operating the contact networks  
of a.c. electrified railroads] Pravila tekhniki bezopasnosti  
pri ekspluatatsii kontaktnoi seti peremennogo toka elektrifi-  
tsirovannykh zheleznykh dorog. Moskva, Transzheldorizdat,  
1962. 139 p. (MIRA 16:4)

1. Russia (1923- U.S.S.R.)Glavnaya upravleniya elektrifikatsii  
i energeticheskogo khozyaystva. 2. Glavnaya upravleniya elektri-  
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obshcheniya (for Zel'vyanskiy). 3. Moskovskaya zheleznaya do-  
roga (for Milovidov). 4. Gor'kovskaya zheleznaya doroga (for  
Krapivin ). 5. Vostochno-Sibirskaia zheleznaya doroga (for  
Molin). 6. TSentral'nyy komitet professional'nogo soyusa rabo-  
chikh zheleznodorozhnoi transporta (for Sibarov).

(Electric railroads—Wires and wiring)  
(Electric railroads—Safety regulations)

SHILKIN, V.A., general-mayor aviatsii; GOLYSHEV, M.I., polkovnik

Combat readiness is the cheif task. Vest. Vozd. Fl.  
no.10:9-12 0 '61. (MIRA 15:2)  
(Russia--Air Force--Political activity)

SHILKIN, Yu. (g. Lida)

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Anatomical characteristics of the goosefoot family (Chenopodiaceae). Bot.  
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1. Leningradskiy Gosudarstvennyy universitet im. A.A.Zhdanova.  
(Chenopodiaceae)

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The History of the Flora of the Caucasus." Cand Biol Sci, Inst of Botany,  
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Fossil woods of the Arctic. Pt.1: Araucariopitys haraulachica  
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(Verkhoyansk Range). Bot. zhur. 43 no.9:1316-1319 S '58.  
(MIRA 11:10)  
1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.  
(Kharaulakh Range--Trees, Fossil)

3 (5).

AUTHORS: Ganeshin, G. S., Shilkina, I. A.

SOV/20-126-1-35/62

TITLE: Fossil Wood of Cupressinoxylon Cupressoides Kräusel in Deposits  
of the Suyfun Suite (South Littoral) (Iskopayemaya drevesina  
Cupressinoxylon cupressoides Kräusel v osadkakh suyfunkoy  
svity (Yuzhnoye Primor'ye))

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1, pp 131 - 133 (USSR)

ABSTRACT: Continental and Upper Tertiary sediments are widely distributed  
in the drainage area of the Suyfun river and at the margin of  
the Ussuri-Khankayskaya plain. Those of the Suyfun suite are  
the most recent ones. Their age has hitherto been determined  
as Pliocene, Pliocene-Old-Quaternary by most of the research  
workers. This age is now assumed to be different in the case  
of each individual mass of the Suyfun suite on the strength of  
spore-pollen complexes: The mass of ash tuffs with a rich and  
manifold flora is assumed to be Upper Miocene (Ref 1). This as-  
sumption is based in the first place upon the occurrence of 2  
conifers: Sequoia Langsdorffii and Taxodium distichum which died  
out in Asia and occur in a somewhat different recent form only  
in North America. b) The upper mass of conglomerates stratified  
in tuffs is apparently much younger: Pliocene-Lower Quaternary.

Card 1/3

Fossil Wood of Cupressinoxylon Cupressoides Kräusel in SOV/20-126-1-35/62  
Deposits of the Suyfun Suite (South Primor'ye)

According to data of V. F. Gaponova sediments were found in the conglomerates which were very poor in spores and pollens. Conifers of the Pinaceae type (*Pinus*, *Picea*, *Abies* et al) play the main rôle 81-94.6%. Taxodiaceae are very rare: 1-3.2%. Leaf-woods do not surpass 5-19%: Betulaceae, Juglandaceae (*Juglans*, *Pterocarya*), Ulmaceae, Fagaceae (*Quercus*), Tiliaceae. Gramineae, Nymphaceae, and Compositae were found among the herbaceous plants. Fossil wood was found by A. I. Moiseyeva, L. V. Burilina, and G. S. Ganeschin (Fig 1) in the ash tuffs. These silicified samples, apparently trunks of a diameter up to 0.5 m are stored in the Primorskoye geologicheskoye upravleniye (Primorskoye Geological Administration), in the VSEGEI (see Association) and in the Botanicheskiy institut Akademii nauk SSSR (Botanical Institute of the Academy of Sciences, USSR). The sediment complex concerned, total thickness 7.80 m, can be divided into 11 horizons. The wood remnants were discovered in the eighth horizon. I. A. Shilkina (Botanical Institute of the AS USSR) carried out the determination mentioned in the title. The structure, color, and other properties are described (Figs 2,4). The fossil genus Cupressinoxylon has been rather widely distributed since the

Card 2/3

Fossil Wood of Cupressinoxylon Cupressoides Kräusel in SOV/20-126-1-35/62  
Deposits of the Suyfun Suite (South Primor'ye)

Jurassic. Totally 35 species were described, most of which (26) are Cretaceous ones. *C. cupressoides* was described from German Tertiary. On the strength of the flora found with the fossil wood the Miocene age can be safely assumed. There are 4 figures and 3 references, 1 of which is Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut  
(All-Union Scientific Geological Research Institute)

PRESENTED: January 15, 1959, by V. N. Sukachev, Academician

SUBMITTED: January 13, 1959

Card 3/3

SHILKINA, I.A.

Wood of *Taxopitys arctica*, sp.nov., a cordaite from the upper  
Carboniferous of Eastern Siberia. Paleont. zhur. no.3:123-126 '60.  
(MIRA 13:10)

1. Botanicheskiy institut im. V.L.Komarova Akademii nauk SSSR.  
(Orulgan range--Trees, Fossil)

SHILKINA, I.A.

Fossil wood of Liquidambar from Oligocene deposits of Kazakhstan.  
Dokl.AN SSSR 145 no.2:425-426 J1 '62. (MIRA 15:7)

I. Botanicheskiy institut imeni V.A.Komarova AN SSSR. Predstavleno  
akademikom V.N.Sukachevym.  
(Kazakhstan—Sweet gum, Fossil)

BUTOMO, S.V.; RANOV, V.A.; SIDOROV, L.F.; SHILKINA, I.A.

Paleogeographic results of the exploration of an alpine Stone-age camp site in the Pamirs. Dokl. AN SSSR 146 no.6:1380-1382  
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1. Leningradskoye otdeleniye Instituta arkheologii AN SSSR,  
Pamirskaya baza AN Tadzhikskoy SSR i Botanicheskiy institut im.  
V.L. Komarova AN SSSR. Predstavлено akademikom D.V. Nalivkinym.  
(Pamirs—Paleogeography)

SHILKINA, I.A.

A new genus of conifer wood, Yatsenkoxylon sibiricum gen. et sp.  
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1. Predstavлено академиком V.N. Sukachevым.  
(Koryak Range—Trees, Fossil)